PATENT COOPERATION TREATY

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							RITTEN OPINION OF FONAL SEARCHINGS	THE AUTHORITY
							(PCT Rule 43bis.1)	•
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Applica	mi's or a	gent's file referen	ce	· ·	F	OR FURTHER	CTION	
080)21P	C					See paragraph 2 below	
Internal	form up	plication No.		International filing date	day		Priority due (doy/mansh/)	ear)
PCI	CE:	2004/000	217	07.04.2004			14.04.2003	
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1.	TWO	platan contains in	adications and a	ring to the following item				
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		Box No. II	Priority	•				
	님	Bax. No. III	Non-establis	charact of opinion with re	egard:	ro novelty, in ven ti	ve step and Industrial appli	rability
		Box No. IV		ty of invention				
		Box No. Y	Reasoned sta applicability	alement under Rule 43bij y; challous and explanatio	U. I(q)(one au	(i) with regard to a pporting such stare	ôvôhy, koventive step ọc jợi sment	Duti al
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2	FURT	HER ACTION		•				
	interna than ti	ational Prelimina his one to be the	ry Basmining A IPBA and the	Anthortry ("TPBA") exces	pt that	i this does not appli	be considered to be a vily where the applicant choics an under Rule 66.12(a) ti	sos an Authority other
	If this writter	opinion is, as pro reply together,	which above,	considered to be a writte	en opi	re the expination	, the applicant is invited to of 3 months from the dar optics later.	submit to the IPBA a e of mailing of Form
		riher oplions, see						
2	For for	rther details, 1000 (notes to Poron I	PCT/ISA/220,			•	
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Form PCT/ISA/257 (cover sheet) (January 2004)

	WRITTEN OPINION OF THE	International application No.
	INTERNATIONAL SEARCHING AUTHORITY	PCT/CH2004/000217
Bas: No. 1	Basis of this opinion	
, Whited,	regard to the language, this opinion has been established on the basis of the juter talest otherwise indicated under this jiem,	national application to the tanguage in which it was
	This opinion has been established on the basis of a translation from the original la	nguage into the following language
_	, which is the language of a translation furni	thed for the purposes of international search (under
	Refe 12.3 and 23.1(b)).	
With	regard to my traductide and/or amino acid sequence disclosed to the inter- tion, this opinion has been exablished on the basis of:	national application and nedecoary to the claimed
A	type of material	
	o sequence listing	
ļ	table(s) related to the sequence listing	
b.	format of material .	
l	in written format	
-	in computer readable form	
c.	time of filing/furnishing	
- [contained in the international application as filed.	
ſ	filed together with the interpational application in computer readable form.	
[furnished subsequently to this Authority for the purposes of search.	
	In addition, in the case that more than one version or copy of a segmence listing furnished, the required statements that the information in the subsequent or additi-filed or does not go beyond the application as filed, as appropriate, were firmished	onal copies is identical to that in the application as
Addit	local cocurrents	
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Form PCT/ISA/237 (Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY	PCT/CH2004/000217
Box No. II Priority	
1. The following document has not yet been furnished:	
copy of the cartler application whose priority has been claimed (Risks 43bls.).	and 66.7(a)).
manulation of the earlier application whose priority has been claimed (Role 43	
Consequently is has not been possible to consider the validity of the priority claim. the assumption that the relevant date in the claimed priority date.	This opinion has nevertheless been established on
This opinion has been established as if no priority had been elaimed due to the findes 43bir. 1 and 64.1). Thus for the purposes of this opinion, the international fullerant data.	fact that the priority claim has been found invalid filing date indicated above is considered to be the
3. Additional observations, if more survey:	
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Form: PCT/ISA/237 (Box No. 1f) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/CH2004/00021	7

distion		distions and expli	en understand other wife 4.50 (A (A)) with regard to novelly, inventive step or industrial applicability: as and explanations supporting such statement		
l.	Sixenen				
	Novelry (N)		Clains	8-11	YES
			Claims	1-7, 12-20	NO
	Inventive s	lap (IS)	Claims		YES
			Clains	1-20	NO
	Informal a	pplicability (IA)	Claims	1-20	YES
			Claims		NO

2. Citations and explanations:

This report makes reference to the following documents (D) cited in the search report. The numbering will also be maintained in the further procedure:

D1: DE-B-1 055 515

D2: US-A1-2001/0049998

D3: US-A-5 856 264 D4: EP-A-0 940 174

2. Clarity

- 2.1 The applicable claims 1-13 are directed toward a method for manufacturing formed zeolites which is defined by means of the following unconventional parameter:
 - the bulk density of the highly dispersed attapulgite binder, measured in conformity with EN ISO 787:1995D, is larger than 550 g/L.

The use of this parameter in the given relationship must appear as a lack of clarity within the meaning of PCT Article 6. It is

Form PCT/ISA/237 (Box No. V) (January 2004)

Box No. V

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International agulication No.
PCT/CH2004/000217

Rescored deterministics Rule 43bis NaMi) with report to novely, inventive step or industrial applicability, diedicins and explanations supporting such statement impossible to compare the parameter mentioned by the applicant to that which is disclosed in the prior art (see Guidelines C-III, 4.7a).

- The present application does not satisfy the requirements of PCT Article 33(1) to (3) because the subject matter of claims 1-20 is either not novel within the meaning of PCT Article 33(2) nor involves an inventive step in within the meaning of PCT Article 33(3).
- 3.1 Document D1 discloses a method for manufacturing bonded zeolite molecular sieves (sodium zeolite X) wherein 3-95 parts attapulgite can be mixed with 97-5 parts molecular sieve without the adsorptive capacity of the molecular sieve being significantly reduced except by dilution. In manufacturing balls from molecular sieves bonded with clay, the clay, molecular sieve and water are thoroughly mixed in an arbitrary manner. Sufficient water is used to achieve a semiplastic state. In the following examples, the balls are dried in the air and fired after manufacture. The examples use attapulgite possessing a mean particle size of 0.077 μ (see column 1, line 4 column 3, line 47; Tables II and III). The bonded molecular sieve is used to adsorb CO_2 . The use of a mixture of attapulgite with another clay binder and the use of expanding agents are made accessible in D1 (see example column 2: 1.27 kg attapulgite and 0.21 kg kaoline; stearic acid).

Form PCT/ISA/297 (Box No. V) (Juntury 2004)